

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (Currently Amended) An article of manufacture for use in a computer system for providing assistance to a programmer writing computer programming code, said assistance comprising suggested candidates responsive to a parsing of a partial program instruction statement, said article of manufacture comprising a computer-useable storage medium having a computer program embodied in said medium which causes the computer system to execute operations ~~method steps~~ comprising:

~~parsing a program containing the partial program instruction statement into tokens;~~  
~~determining whether the tokens match one of a plurality of syntax statements;~~  
~~moving a cursor positioned on one of the tokens for which the match is determined to a following token in response to determining that the token matches one of the syntax statements;~~  
~~in response to determining that the token on which the cursor is positioned does not match one of the syntax statements to identify variables contained in the program;~~  
~~parsing the partial program instruction statement to generate generating proposals from the cursor position;~~ and  
providing proposals to append to the partial program instruction statement to a user responsive to ~~both the parsing of the program and~~ the parsing of the partial program instruction statement.

2. (Original) The article of manufacture of claim 1 wherein the method further comprises:

proposing an identified variable as a proposal responsive to a verb of the partial program instruction statement.

3. (Original) The article of manufacture of claim 1 wherein the method further comprises:

proposing an identified variable as a proposal responsive to a variable type of the variable.

4. (Currently Amended) The article of manufacture of claim 1 wherein the method further comprises:

proposing an identified variable as a proposal responsive to a verb of the partial program instruction statement ~~[[and]]~~ or responsive to a variable type of the variable.

5. (Original) The article of manufacture of claim 1 wherein the method further comprises:

proposing an identified variable as a proposal responsive to a portion of the program containing the partial program instruction statement.

6. (Original) The article of manufacture of claim 1 wherein the parsing of the program and the parsing of the partial program instruction statement are performed according to a user-selected programming language dependent file selected from a plurality of programming language dependent files.

7. (Currently Amended) A method of providing a code assist function which suggests candidates responsive to a parsing of a partial program instruction statement, said method comprising:

parsing a ~~program containing the~~ partial program instruction statement into tokens to identify variables contained in the program;

determining whether the tokens match one of a plurality of syntax statements;

moving a cursor positioned on one of the tokens for which the match is determined to a following token in response to determining that the token matches one of the syntax statements;

in response to determining that the token on which the cursor is positioned does not match one of the syntax statements ~~parsing the partial program instruction statement to generate~~ generating proposals from the cursor position; and

providing proposals to append to the partial program instruction statement to a user responsive to ~~both the parsing of the program and~~ the parsing of the partial program instruction statement.

8. (Original) The method of claim 7 further comprising:  
proposing an identified variable as a proposal responsive to a verb of the partial program instruction statement.

9 (Original) The method of claim 7 further comprising:  
proposing an identified variable as a proposal responsive to a variable type of the variable.

10 (Currently Amended) The method of claim 7 further comprising:  
proposing an identified variable as a proposal responsive to a verb of the partial program instruction statement ~~[[and]]~~ or responsive to a variable type of the variable.

11. (Original) The method of claim 7 further comprising:  
proposing an identified variable as a proposal responsive to a portion of the program containing the partial program instruction statement.

12. (Original) The method of claim 7 wherein the parsing of the program and the parsing of the partial program instruction statement are performed according to a user-selected programming language dependent file selected from a plurality of programming language dependent files.

13. (Currently Amended) A computer system for providing a code assist function which suggests candidates responsive to a parsing of a partial program instruction statement, said computer system comprising:

a processor;

a computer readable medium;

a code assist engine in the computer readable medium executed by the processor to perform operation comprising:

a parser for parsing a ~~program containing the~~ partial program instruction into tokens  
statement to identify variables contained in the program;

determining whether the tokens match one of a plurality of syntax statements;

moving a cursor positioned on one of the tokens for which the match is determined to a following token in response to determining that the token matches one of the syntax statements;

in response to determining that the token on which the cursor is positioned does not match one of the syntax statements ~~a parser for parsing the partial program instruction statement to generate~~ generating proposals; and

providing proposals ~~provided~~ to a user to append to the partial program instruction statement responsive to ~~both the parsing of the program and the parsing of the~~ partial program instruction statement.

14. (Original) The computer system of claim 13 wherein an identified variable is proposed as a proposal responsive to a verb of the partial program instruction statement.

15. (Original) The computer system of claim 13 wherein an identified variable is proposed as a proposal responsive to a variable type of the variable.

16. (Currently Amended) The computer system of claim 13 wherein an identified variable is proposed as a proposal responsive to a verb of the partial program instruction statement ~~[[and]]~~ or responsive to a variable type of the variable.

17. (Original) The computer system of claim 13 wherein an identified variable is proposed as a proposal responsive to a portion of the program containing the partial program instruction statement.

18. (Original) The computer system of claim 13 wherein the parsing of the program and the parsing of the partial program instruction statement are performed according to a user-selected programming language dependent file selected from a plurality of programming language dependent files.